

Generic Study Plan for BSc. in Information Technology

Cohort fall 2024 and prior - Total = 130 credit hours

Year 1 - First Semester				Year 1 - Second Semester			
Course #.	Course Title	Pre-req.	Cr.	Course #.	Course Title	Pre-req.	Cr.
GEAE101	Acad. English for Hum. & STEM		3	CENG202	Discrete Mathematics	MATH105	3
MATH105	Calculus I	-	3	MATH110	Calculus II	MATH105	3
CSBP119	Algorithms and Prob. Solving	-	3	CSBP219	Object-Oriented Prog.	CSBP119	3
PHYS105	General Physics I	-	3	CENG205	Digital Design & Com Org.		3
GEIT112 OR GEIT11	Fourth Industrial Revolution OR Introduction to Artificial Intelligence		3	CSBP221	Programming Lab II	CSBP121, CSBP219(co)	1
CSBP121	Programming Lab I	CSEB119 (Co)	1	GEEM110	Contemporary Emirati Studies		3
Semester Credit Hours			16	Semester Credit Hours			16
Year 2 - First Semester				Year 2 - Second Semester			
Course #.	Course Title	Pre-Req.	Cr.	Course #.	Course Title	Pre-Req.	Cr.
STAT210	Probability and Statistics	MATH110	3	CSBP340	Database Systems	CSBP319	3
GESU121	Sustainability		3	Elective	Cultural Elective 1	Elective	3
CENG210	Comm. & Net. Fund	CEN205(co/pre) & PHYS105	3	CENG530	Network Protocols	CENG210	3
ITBP280	IT Project Mang & Exh	CSBP219	3	CENG529	Network Protocols Lab	Co CENG530 ,CENG210	1
CSBP319	Data Structures	CSBP219	3	ITBP301	Sec. Principles and Practice	CENG210	3
Semester Credit Hours			15	Semester Credit Hours			13
Year 3 - First Semester				Year 3 - Second Semester			
Course #.	Course Title	Pre-Req.	Cr.	Course #.	Course Title	Pre-Req.	Cr.
ITBP321	Web App. Development Lab	Co/Pre CSBP340	1	ITBP370	Prof. Res. In IT	GEAE101	3
ITBP322	Web & Mobile Systems	CSBP219, Co-ITBP321	3	CSBP316	Human Computer Interaction	CSBP219	3
BIOC100 or CHEM111	Basic Bio. I or Gen. Chemistry		3	ITBP324	Cloud Computing Fund.	CSBP 315	3
CSBP315	Operating Systems Fundamentals	CENG205	3	ITBP323	System Integration & Admin	CSBP315	3
CSBP320	Datamining	STAT210	3		Major elective 1**		3
Semester Credit Hours			13	Semester Credit Hours			15
Year 4 - First Semester				Year 4 - Second Semester			
Course #.	Course Title	Pre-Req.	Cr.	Course #.	Course Title	Pre-Req.	Cr.
ITBP418	Entrepreneurship in IT	ITBP301 or ITBP280	3	Elective	Cultural Elective 2		3
CSBP 301	Artificial Intelligence	CSBP319	3		Major elective 3**		3
GEIS101 OR ISLM100	Biography of the Prophet Sira OR Islamic Culture		3		Free Elective		3
ITBP480	Senior Graduation Project I	STAT210	3		Free Elective		3
	Major Elective 2**		3	ITBP481	Senior Graduation Project II	ITBP480	3
Semester Credit Hours			15	Semester Credit Hours			15
Year 5 - First Semester							
ITBP495: Internship (12 credit hours)							
(Students are not Allowed to register any additional courses during their Internship without the approval of the College)							

*Students must have finished 80 CrHr to register in ITBP480

Major electives Courses**	Pre-req.	Major electives Courses*	Pre-req.
CSBP483 Mobile Web Content and Development	STAT210	ITBP410 The Internet of Things	CENG530
ISEC411 Privacy and Anonymity	CSBP320	ITBP420 Data Analytics	CSBP320
ITBP421 Big Data Analytics	ITBP 420	ITBP430 Mobile Computing	ITBP322

Cultural Elective Courses (6 Cr. Hrs.)		
Social and Behavioral Sciences (3 Cr. Hrs.)		
	AGRB 210	Introduction to Agribusiness
	ECON 110	Principles of Economics
	HSR 140	Introduction to Society and Behavior
	HSR 150	Introduction to Government, Policy, and Urban Studies
	PSY 100 / PYSC 100	Introduction to Psychology
	GEO 200	World Regional Geography
	GHEP111	Happiness and Wellbeing
	CURR103	Early childhd Dev & Learning
	CHIN 102	Chinese 2 for beginners
	FCH 102	French 2 for beginners
	KOR 102	Korean 2 for beginners
	GER 102	German 2 for beginners
	SPN 102	Spanish 2 for beginners
Humanities/Fine Art (3 Cr. Hrs.)		
	ARCH 366	History and Theory of Architecture
	HSR 120	Introduction to Heritage and Culture
	HSR 130	Introduction to Language and Communication
	PHI101	Introduction to Philosophy
	HIS 130	Sheikh Zayed; History, Found.& Dev.
	CHIN 101	Chinese 1 for beginners
	FCH101	French 1 for beginners
	KOR 101	Korean 1 for beginners
	GER 101	German 1 for beginners
	SPN 101	Spanish 1 for beginners